

Patent Abstracts of Japan

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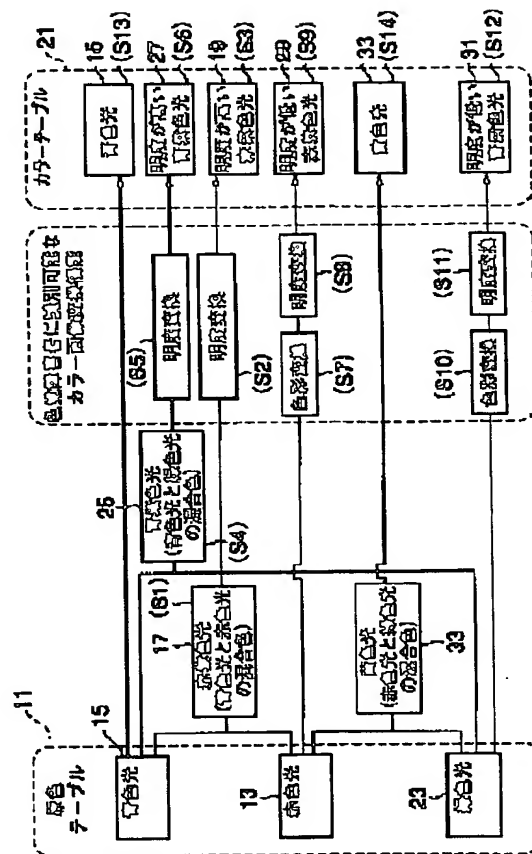
APPLICATION DATE : 20-04-99
 APPLICATION NUMBER : 11112100

APPLICANT : NTT DATA CORP;

INVENTOR : TERAKOSHI SADAYUKI;

INT.CL. : G06T 1/00 G09G 5/06 // G06F 3/14

TITLE : METHOD AND SYSTEM FOR
 GENERATING COLOR PALLET FOR
 PERSON HAVING DIFFICULTY IN THE
 COLOR SENSE



ABSTRACT : PROBLEM TO BE SOLVED: To enable a person having a difficulty in the color sense to obtain information almost equal with that obtained by a non-handicapped person.

SOLUTION: Numerical data expressing red light 13 of a primary color table 11 are read out and converted to numerical data expressing reddish violet light 17 in order to convert the red light 13 to reddish violet light 17 by adding blue light 15 to the red light 13. The numerical data expressing the reddish violet light 17 are corrected in order to convert the lightness value of the reddish violet light 17 to higher value. Concerning green light 23, in order to convert it to bluish violet light 25 by adding the blue light 15 to the green light 23, numerical data expressing the green light 23 are read out and converted to numerical data expressing the bluish violet light 25 as well. In order to convert the lightness value of the bluish violet light 25 to higher value, the numerical data expressing the bluish violet light 25 are corrected. Numerical data expressing the red light 13 are converted to the numerical data expressing the reddish violet light 17 and in order to convert the lightness value of the reddish violet light 17 to lower value, the numerical data expressing the reddish violet light 17 are corrected. The numerical data expressing the green light 23 are converted to the numerical data expressing the bluish violet light 25 as well and in order to convert the lightness value of the bluish violet light 25 to lower value, the numerical data expressing the bluish violet light 25 are corrected. These data are preserved in a color table 21.

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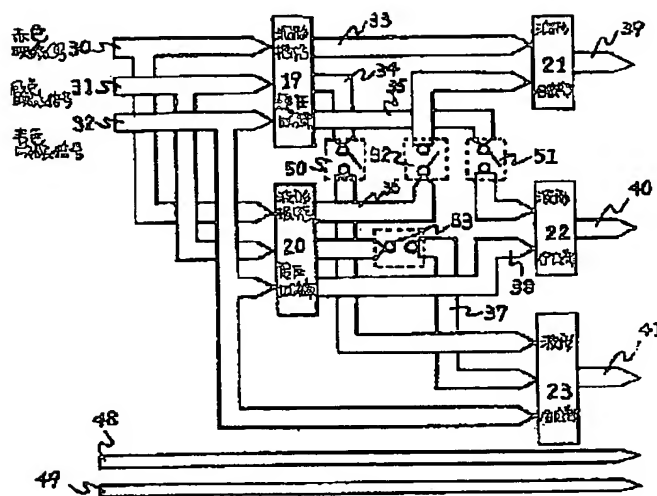
APPLICATION DATE : 16-12-97
APPLICATION NUMBER : 09346100

APPLICANT : HITACHI INFORMATION
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INVENTOR : KOGOORI FUMIHIRO;

INT.CL. : G09G 5/02 A61F 9/08 G09G 5/00
H04N 9/74

**TITLE : DISPLAY SYSTEM FOR PERSON
HAVING DIFFICULTY IN COLOR
SENSATION**



ABSTRACT : PROBLEM TO BE SOLVED: To replace a display color which is hardly discriminated with another display color by adding a function for processing a video signal to the OA equipment capable of color display in the display color that a person having difficulties in sensing red-green can judge most.

SOLUTION: To make it easy for the person who has difficulties in sensing red to see, for example, red is replaced with blue. A video signal waveform amplitude voltage comparison part 19 continue to compare amplitude voltages of red, green, and blue video signals 30 to 32 with a white level voltage and outputs the red video signal 33 to a video signal waveform composition part 21 only when the green video signal 31 reaches the white level and when the blue video signal 32 reaches the white level. The video signal waveform composition part 21 outputs the red video signal 39 having the same waveform with the red video signal 33 when the green video signal 36 is not inputted. When this condition is not met, the red video signal 34 is outputted to the video signal composition part 23. Then it is outputted as a substitute for the blue video signal 41.

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